TMC RESEARCH CORPORATION
PAT48PX (LOCAL BUS)

Processor	80486SX/80487SX/80486DX/ODP486SX/80486DX2
Processor Speed	20/25/33/40(internal)/50/66(internal)MHz
Chip Set	OPTI
Max. Onboard DRAM	32MB
Cache	64/128/256KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	32-bit external memory card slot, 32-bit local bus card slots (2)
NPU Options	4167
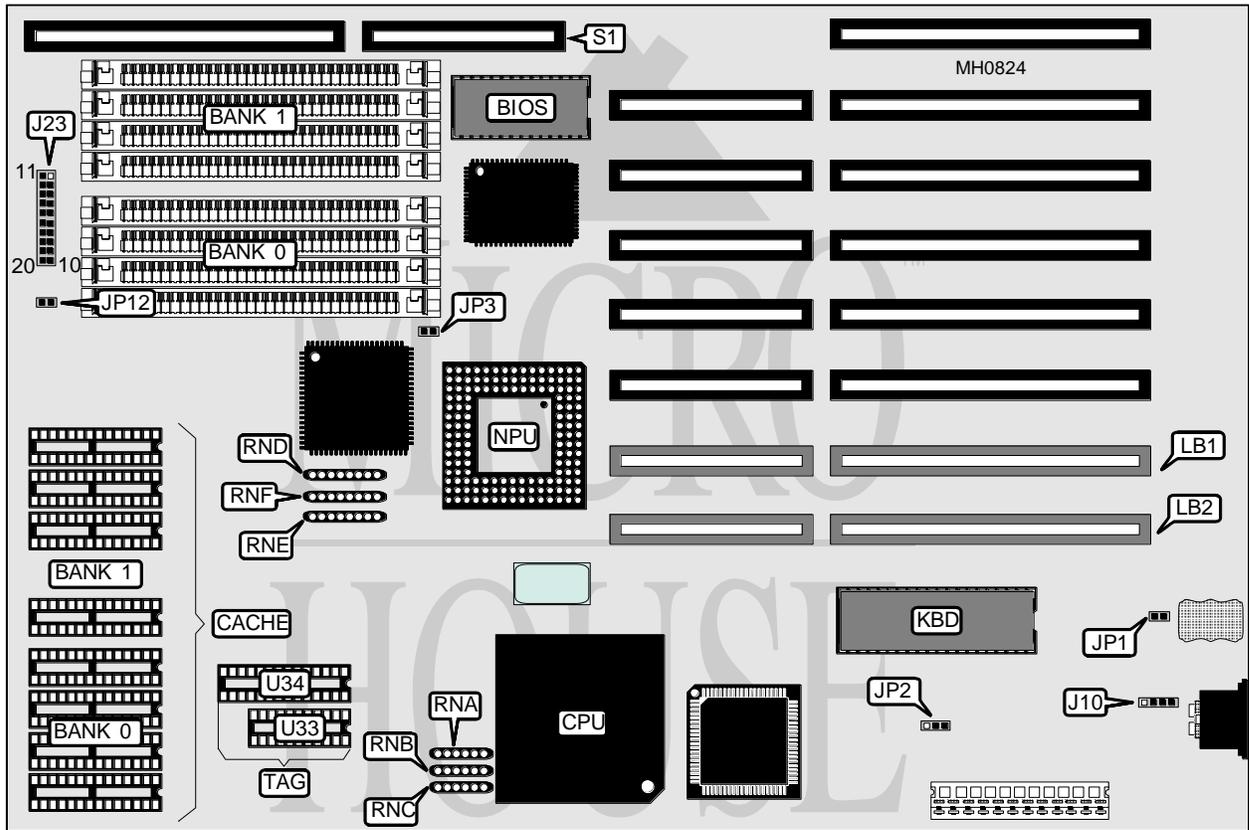
CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	J10	IDE LED in	J23 pins 10 & 20
Speaker	J23 pins 1 - 4	Power LED & keylock	J23 pins 11 - 15
Turbo switch	J23 pins 7 & 17	IDE LED out	JP12
Turbo LED	J23 pins 8 & 18	32-bit local bus card	LB1 & LB2
Reset switch	J23 pins 9 & 19	32-bit external memory card	S1
Note: Local bus slots may also be used as normal ISA slots.			

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Monitor type select color	JP1	Closed
Monitor type select monochrome	JP1	Open
í CMOS memory normal operation (internal battery)	JP2	pins 2 & 3 closed
CMOS memory normal operation (external battery at J4)	JP2	Open
CMOS memory clear	JP2	pins 1 & 2 closed
í Bus speed select CLKIN/4	JP3	Open
Bus speed select CLKIN/6	JP3	Closed

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(4) 256K x 9	NONE
2MB	(4) 256K x 9	(4) 256K x 9
4MB	(4) 1M x 9	NONE
5MB	(4) 256K x 9	(4) 1M x 9
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
20MB	(4) 4M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9

CACHE CONFIGURATION					
Size	Bank 0	Bank 1	TAG (U33)	TAG (U34)	Resistor Installed
64KB	(4) 8K x 8	(4) 8K x 8	(1) 4K x 1	(1) 8K x 8	RND
64KB	(4) 8K x 8	(4) 8K x 8	(1) 16K x 1	(1) 8K x 8	RND
64KB	(4) 8K x 8	(4) 8K x 8	(1) 64K x 1	(1) 8K x 8	RND
128KB	(4) 32K x 8	NONE	(1) 16K x 1	(1) 8K x 8	RNF
128KB	(4) 32K x 8	NONE	(1) 64K x 1	(1) 8K x 8	RNF
256KB	(4) 32K x 8	(4) 32K x 8	(1) 16K x 1	(1) 32K x 8	RNE
256KB	(4) 32K x 8	(4) 32K x 8	(1) 64K x 1	(1) 32K x 8	RNE
Notes: If DRAM is $\leq$ 16MB, all cache sizes may be installed, if DRAM is > 16MB and $\leq$ 32MB, 128 or 256KB cache must be installed, if DRAM > 32MB, 256KB cache must be installed. (Memory over 32MB would be installed on the proprietary external memory card.)					

CPU TYPE CONFIGURATION			
Type	RNA	RNB	RNC
80486SX	Not installed	Not installed	Installed
80487SX	Not installed	Installed	Not installed
ODP486SX	Not installed	Installed	Not installed
80486DX	Installed	Not installed	Not installed
80486DX2	Installed	Not installed	Not installed